

Appl. No. 08/518,051

Navy Case No. 83927 (74023)

Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled)

Claim 4 (Canceled)

Claims 12 – 15 (Canceled)

Claim 16 (Previously presented): A method for calibrating a fault tolerant liquid crystal display comprising the steps of:

placing a fault tolerant liquid crystal display into an optical test-bed, wherein the liquid crystal display includes a primary liquid crystal display region and least one secondary liquid crystal display region, each liquid crystal display region containing an array of pixels;

uniformly illuminating each of the pixels on the liquid crystal display regions;

determining a desired light intensity through each of the pixels on the liquid crystal display regions;

determining a desired uniformity level for the liquid crystal display;

applying a first voltage to the pixels of the primary liquid crystal display region and

applying a second voltage to the pixels of the secondary liquid crystal display region to achieve a transmitted light intensity;

measuring the transmitted light intensity through each of the pixels on the liquid crystal display regions;

comparing the transmitted light intensity with the desired light intensity;

adjusting the first voltage or the second voltage to achieve the desired light intensity and the desired uniformity; and

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fixing the adjusted first voltage and adjusted second voltage to maintain the desired light intensity and the desired uniformity.

Claim 17 (Previously presented): A method for correcting faulty pixels in a fault tolerant liquid crystal display comprising the steps of:

placing a fault tolerant liquid crystal display into an optical test bed, wherein the liquid crystal display includes a primary liquid crystal display region and least one secondary liquid crystal display region, each liquid crystal display region containing an array of pixels;

uniformly illuminating each of the pixels on the liquid crystal display regions;

determining a desired light intensity through each of the pixels on the liquid crystal display regions;

applying a first voltage to the pixels of the primary liquid crystal display region and applying a second voltage to the pixels of the secondary liquid crystal display region to achieve a transmitted light intensity;

measuring the transmitted light intensity through each of the pixels on the liquid crystal display regions;

comparing the transmitted light intensity with the desired light intensity;

adjusting the first voltage or the second voltage to achieve the desired light intensity; and

fixing the adjusted first voltage and adjusted second voltage to maintain the desired light intensity.